



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 8

Test Date: March 2008
Code: 12291608
SAU: MSAD 35
School: Marshwood Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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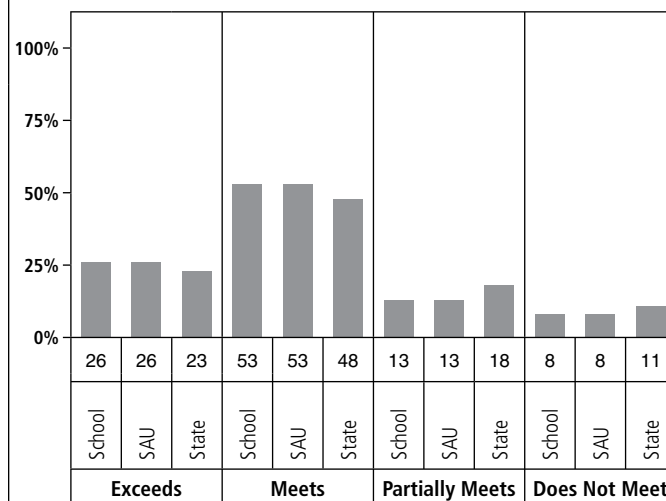
SUMMARY OF SCORES

Test Date: March 2008
Grade: 8
SAU: MSAD 35
School: Marshwood Middle School

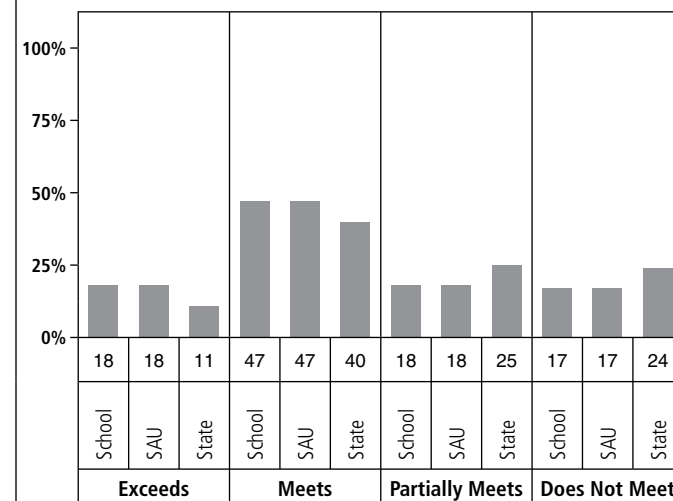
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	848	848	845
2006–2007	852	852	847
2007–2008	852	852	849
Cum. Avg. *	851	851	847
Mathematics			
2005–2006	844	844	840
2006–2007	846	846	842
2007–2008	846	846	841
Cum. Avg. *	845	845	841
Science & Technology			
2005–2006	850	850	846
2006–2007	852	852	847
2007–2008	853	853	847
Cum. Avg. *	852	852	847

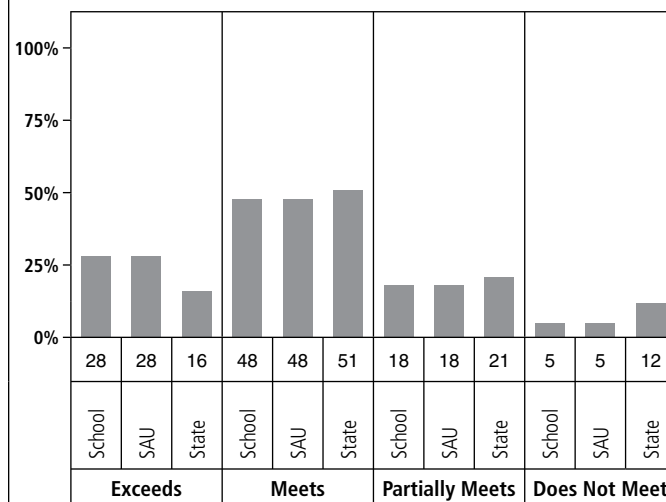
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
Grade: 8
SAU: MSAD 35
School: Marshwood Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	188	100	188	100	15274	100	186	99	186	99	15102	99	186	99	186	99	15097	99	186	99	186	99	15080	99						
Ethnicity African American/Black	0	0	0	0	368	2	0	0	0	0	356	97	0	0	0	0	360	98	0	0	0	0	356	97						
American Indian or Native Alaskan	0	0	0	0	120	1	0	0	0	0	117	98	0	0	0	0	117	98	0	0	0	0	117	98						
Asian or Pacific Islander	1	1	1	1	186	1	1	100	1	100	181	97	1	100	1	100	182	98	1	100	1	100	182	98						
Hispanic	1	1	1	1	139	1	1	100	1	100	136	98	1	100	1	100	136	98	1	100	1	100	136	98						
Caucasian/White	186	99	186	99	14461	95	184	99	184	99	14312	99	184	99	184	99	14302	99	184	99	184	99	14289	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	26	14	26	14	2508	16	25	100	25	100	2446	98	25	100	25	100	2441	98	25	100	25	100	2431	98						
Current LEP	0	0	0	0	327	2	0	0	0	0	316	97	0	0	0	0	322	99	0	0	0	0	322	99						
Economically disadvantaged	31	16	31	16	5420	35	30	97	30	97	5329	99	30	97	30	97	5324	99	30	97	30	97	5313	98						
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100						

MODE OF PARTICIPATION ³	ELA–Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	166	88	166	88	12703	83	165	88	165	88	12694	83	166	88	166	88	12710	83						
Identified disability (PET/IEP)	6	4	6	4	437	3	5	3	5	3	421	3	6	4	6	4	445	4						
LEP	0	0	0	0	172	1	0	0	0	0	172	1	0	0	0	0	173	1						
504 plan	10	6	10	6	229	2	10	6	10	6	231	2	10	6	10	6	230	2						
Participation with accommodations	20	11	20	11	2221	15	21	11	21	11	2227	15	20	11	20	11	2197	14						
Identified disability (PET/IEP)	19	95	19	95	1832	82	20	95	20	95	1844	83	19	95	19	95	1813	83						
LEP	0	0	0	0	136	6	0	0	0	0	143	6	0	0	0	0	142	6						
504 plan	1	5	1	5	68	3	1	5	1	5	66	3	1	5	1	5	66	3						
Other	0	0	0	0	213	10	0	0	0	0	202	9	0	0	0	0	204	9						
Participation through alternate assessment (PAAP)	0	0	0	0	177	1	0	0	0	0	176	1	0	0	0	0	173	1						
Identified disability (PET/IEP)	0	0	0	0	177	100	0	0	0	0	176	100	0	0	0	0	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	1	1	1	1	32	0	1	1	1	1	34	0	1	1	1	1	34	0						
Non-participation – other	1	1	1	1	140	1	1	1	1	1	143	1	1	1	1	1	160	1						

¹ Percents are the percentage of students enrolled in each participation category.

² Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

³ Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 8
SAU: MSAD 35
School: Marshwood Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	40	19	40	19	2695	17
	2006-2007	40	21	40	21	2407	16
	2007-2008	48	26	48	26	3428	23
	Cum. Total*	128	22	128	22	8530	18
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	105	49	105	49	6830	42
	2006-2007	105	55	105	55	7494	49
	2007-2008	98	53	98	53	7179	48
	Cum. Total*	308	52	308	52	21503	46
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	49	23	49	23	3741	23
	2006-2007	33	17	33	17	3628	24
	2007-2008	25	13	25	13	2706	18
	Cum. Total*	107	18	107	18	10075	22
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	22	10	22	10	3003	18
	2006-2007	13	7	13	7	1810	12
	2007-2008	15	8	15	8	1611	11
	Cum. Total*	50	8	50	8	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	56	100	38.2	68.2	38.2	68.2	36.9	65.9
Literary Text	28	50	18.9	67.5	18.9	67.5	18.3	65.4
Informational Text	28	50	19.3	68.9	19.3	68.9	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 8
 SAU: MSAD 35
 School: Marshwood Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	186	48	26	98	53	25	13	15	8	852	186	26	53	13	8	852	14924	23	48	18	11	849
Ethnicity																						
African American/Black	0										0						348	11	38	22	29	840
American Indian or Native Alaskan	0										0						117	9	43	29	19	842
Asian or Pacific Islander	1										1						179	32	39	18	11	852
Hispanic	1										1						131	18	38	27	17	846
Caucasian/White	184	48	26	98	53	24	13	14	8	852	184	26	53	13	8	852	14149	23	49	18	10	850
Not Reported	0										0						0					
Identified disability																						
Yes	25	0	0	6	24	8	32	11	44	834	25	0	24	32	44	834	2269	3	24	32	42	833
No	161	48	30	92	57	17	11	4	2	854	161	30	57	11	2	854	12655	27	52	16	5	852
Current LEP																						
Yes	0										0						308	8	30	27	34	837
No	186	48	26	98	53	25	13	15	8	852	186	26	53	13	8	852	14616	23	48	18	10	850
Economically disadvantaged																						
Yes	30	3	10	19	63	3	10	5	17	846	30	10	63	10	17	846	5222	12	44	25	19	843
No	156	45	29	79	51	22	14	10	6	853	156	29	51	14	6	853	9702	29	50	14	7	853
Migrant																						
Yes	0										0						7	0	86	0	14	850
No	186	48	26	98	53	25	13	15	8	852	186	26	53	13	8	852	14917	23	48	18	11	849
Gender																						
Female	91	24	26	50	55	13	14	4	4	853	91	26	55	14	4	853	7198	30	48	15	7	853
Male	95	24	25	48	51	12	13	11	12	850	95	25	51	13	12	850	7726	17	49	21	14	847
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						807	9	41	32	18	842
No	186	48	26	98	53	25	13	15	8	852	186	26	53	13	8	852	14117	24	49	17	10	850
Gifted/talented program																						
Yes	7	7	100	0	0	0	0	0	0	872	7	100	0	0	0	872	592	71	28	1	0	867
No	179	41	23	98	55	25	14	15	8	851	179	23	55	14	8	851	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: MSAD 35
School: Marshwood Middle School

QUESTIONNAIRE ITEMS	School										SAU						State													
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E		M		P		D		Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%	%	%	%	%			%	%	%	%	%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	5 33 59 3	1 8 35 4	11 13 32 67	5 33 59 1	56 53 54 17	3 11 10 1	33 18 9 17	0 10 5 0	0 16 5 0	848 846 855 862	5 33 59 3	11 13 32 67	56 53 54 17	33 18 9 17	0 16 5 0	848 846 855 862	9 46 41 5	10 20 28 28	39 50 49 44	24 20 15 15	26 11 7 12	841 849 852 850								
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading? A. The questions on the test match what I have learned in reading class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	31 63 5 1	13 32 1 1	23 28 10 50	29 64 4 0	51 56 40 0	8 14 2 1	14 12 20 50	7 5 3 0	12 4 30 0	851 853 840 851	31 63 5 1	23 28 10 50	51 56 40 0	14 12 20 50	12 4 30 0	851 853 840 851	33 53 11 3	31 21 14 6	48 51 41 34	14 19 25 26	7 9 20 35	853 849 844 836								
Which of the following best describes how you rate yourself as a student in reading? A. very good B. good C. fair D. poor	33 54 12 1	27 20 1 0	44 20 5 0	28 58 10 2	46 57 45 100	3 16 6 0	5 16 27 0	3 7 5 0	5 7 23 0	858 850 839 849	33 54 12 1	44 20 5 0	46 57 45 100	5 16 27 0	5 7 23 0	858 850 839 849	31 49 18 2	42 19 5 4	44 54 42 29	8 19 31 32	6 9 22 34	857 849 840 835								
How difficult was the reading part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	17 68 15	9 32 6	28 26 22	16 65 16	50 52 59	3 20 2	9 16 7	4 8 3	13 6 11	851 851 852	17 68 15	28 26 22	50 52 59	9 16 7	13 6 11	851 851 852	15 65 19	16 23 30	44 49 49	22 18 14	18 9 8	845 850 852								
How difficult were the reading passages on this test? A. Most of the passages were more difficult than what I normally read. B. Most of the passages were about the same as what I normally read. C. Most of the passages were easier than what I normally read.	4 61 35	0 27 20	0 24 31	3 60 34	38 54 53	2 18 5	25 16 8	3 7 5	38 6 8	838 851 854	4 61 35	0 24 31	38 54 53	25 16 8	38 6 8	838 851 854	9 53 38	8 17 36	33 51 48	28 21 11	31 11 5	838 848 855								
How hard did you try on the reading part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	45 51 4	25 22 0	30 24 0	40 52 3	49 57 43	12 11 2	15 12 29	5 7 2	6 8 29	853 851 838	45 51 4	30 24 0	49 57 43	15 12 29	6 8 29	853 851 838	43 51 6	23 25 9	48 49 43	19 17 24	10 9 23	849 851 842								
How much time do you spend reading at home each day? A. more than one hour B. 20 minutes to an hour C. less than 20 minutes D. I rarely read at home.	16 51 18 15	12 29 5 2	40 31 15 7	12 52 17 16	40 55 50 59	3 9 9 4	10 10 26 15	3 4 3 5	10 4 9 19	855 854 847 844	16 51 18 15	40 31 15 7	40 55 50 59	10 10 26 15	10 4 9 19	855 854 847 844	18 41 13 28	31 28 20 12	47 49 49 47	13 15 18 26	9 7 12 16	852 852 848 844								
How do you feel about the following statement? <i>“My knowledge of reading will be useful to me as an adult.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	40 53 6 1	25 21 2 0	33 21 18 0	37 56 5 0	49 57 45 0	8 14 3 0	11 14 27 0	5 8 1 1	7 8 9 100	854 850 851 822	40 53 6 1	33 21 18 0	49 57 45 0	11 14 27 0	7 8 9 100	854 850 851 822	43 48 6 2	31 18 11 6	48 50 43 36	14 20 24 32	7 12 21 26	853 848 843 839								
Optional school/SAU question A. B. C. D.	30 40 20 10	0 0 0 0	0 0 0 0	0 0 0 1	0 0 0 100	2 2 1 0	67 50 50 0	1 2 1 0	33 50 50 0	835 825 832 846	30 40 20 10	0 0 0 0	0 0 0 100	67 50 50 0	33 50 50 0	835 825 832 846														

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 8
SAU: MSAD 35
School: Marshwood Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	26	12	26	12	1714	11
	2006-2007	38	20	38	20	1952	13
	2007-2008	34	18	34	18	1657	11
	Cum. Total*	98	17	98	17	5323	11
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	88	41	88	41	5533	34
	2006-2007	81	42	81	42	5870	38
	2007-2008	87	47	87	47	5956	40
	Cum. Total*	256	43	256	43	17359	37
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	61	29	61	29	4764	29
	2006-2007	42	22	42	22	3982	26
	2007-2008	33	18	33	18	3729	25
	Cum. Total*	136	23	136	23	12475	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	39	18	39	18	4251	26
	2006-2007	30	16	30	16	3534	23
	2007-2008	32	17	32	17	3579	24
	Cum. Total*	101	17	101	17	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	9.6	60.0	9.6	60.0	8.4	52.5
Cluster 2: Shape and Size	14	25	6.7	47.9	6.7	47.9	5.9	42.1
Cluster 3: Mathematical Decision Making	8	14	4.8	60.0	4.8	60.0	4.6	57.5
Cluster 4: Patterns	18	32	10.2	56.7	10.2	56.7	8.9	49.4

- Cluster 1: Numbers and Operations**
 A. Numbers and Number Sense
 B. Computation
 I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
 E. Geometry
 F. Measurement
- Cluster 3: Mathematical Decision Making**
 C. Data Analysis and Statistics
 D. Probability
- Cluster 4: Patterns**
 G. Patterns, Relations, and Functions
 H. Algebra Concepts
 K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
Grade: 8
SAU: MSAD 35
School: Marshwood Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	186	34	18	87	47	33	18	32	17	846	186	18	47	18	17	846	14921	11	40	25	24	841
Ethnicity																						
African American/Black	0										0						352	2	23	23	52	828
American Indian or Native Alaskan	0										0						117	5	22	33	39	832
Asian or Pacific Islander	1										1						181	24	42	20	14	848
Hispanic	1										1						131	7	34	26	33	836
Caucasian/White	184	34	18	86	47	32	17	32	17	847	184	18	47	17	17	847	14140	11	41	25	23	841
Not Reported	0										0						0					
Identified disability																						
Yes	25	0	0	3	12	6	24	16	64	826	25	0	12	24	64	826	2265	1	14	22	62	824
No	161	34	21	84	52	27	17	16	10	850	161	21	52	17	10	850	12656	13	45	26	17	844
Current LEP																						
Yes	0										0						315	5	24	20	51	828
No	186	34	18	87	47	33	18	32	17	846	186	18	47	18	17	846	14606	11	40	25	23	841
Economically disadvantaged																						
Yes	30	3	10	13	43	6	20	8	27	841	30	10	43	20	27	841	5217	5	30	29	37	834
No	156	31	20	74	47	27	17	24	15	848	156	20	47	17	15	848	9704	15	45	23	17	845
Migrant																						
Yes	0										0						7	0	43	43	14	838
No	186	34	18	87	47	33	18	32	17	846	186	18	47	18	17	846	14914	11	40	25	24	841
Gender																						
Female	91	16	18	41	45	17	19	17	19	846	91	18	45	19	19	846	7199	11	40	26	23	841
Male	95	18	19	46	48	16	17	15	16	847	95	19	48	17	16	847	7722	11	40	24	25	841
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						806	3	20	30	47	831
No	186	34	18	87	47	33	18	32	17	846	186	18	47	18	17	846	14115	12	41	25	23	842
Gifted/talented program																						
Yes	7	6	86	1	14	0	0	0	0	872	7	86	14	0	0	872	592	58	39	2	1	864
No	179	28	16	86	48	33	18	32	18	845	179	16	48	18	18	845	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 8
SAU: MSAD 35
School: Marshwood Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	5 33 59 3	1 6 26 1	11 10 24 17	4 26 55 2	44 42 50 33	1 15 15 2	11 24 14 33	3 15 13 1	33 24 12 17	842 841 850 845	5 33 59 3	11 10 24 17	44 42 50 33	11 24 14 33	33 24 12 17	842 841 850 845	9 46 41 5	5 10 14 14	30 40 42 38	23 26 25 23	41 25 19 24	833 840 843 842
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics? A. The questions on the test match what I have learned in mathematics class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	28 60 10 2	16 15 2 0	31 14 11 0	21 56 9 0	41 50 50 0	11 21 1 0	22 19 6 0	3 19 6 4	6 17 33 100	853 845 843 817	28 60 10 2	31 14 11 0	41 50 50 0	22 19 6 0	6 17 33 100	853 845 843 817	30 50 17 4	17 10 6 3	43 42 32 18	22 26 29 25	18 22 33 54	845 841 836 828
Which of the following best describes how you rate yourself as a student in mathematics? A. very good B. good C. fair D. poor	26 51 19 4	24 8 2 0	50 8 6 0	19 54 12 2	40 57 33 29	3 17 12 1	6 18 33 14	2 16 10 4	4 17 28 57	860 844 838 831	26 51 19 4	50 8 6 0	40 57 33 29	6 18 33 14	4 17 28 57	860 844 838 831	26 45 23 5	29 7 1 1	46 46 26 14	14 27 34 29	11 20 38 57	851 841 833 827
How difficult was the mathematics part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	28 51 21	2 17 13	4 18 35	26 43 17	51 47 46	9 20 3	18 22 8	14 12 4	27 13 11	840 847 855	28 51 21	4 18 35	51 47 46	18 22 8	27 13 11	840 847 855	34 52 13	4 10 33	35 43 40	28 26 14	32 21 13	836 842 852
How hard did you try on the mathematics part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	36 61 3	10 23 0	15 21 0	34 48 2	52 44 40	12 19 2	18 17 40	10 20 1	15 18 20	846 847 835	36 61 3	15 21 0	52 44 40	18 17 40	15 18 20	846 847 835	44 50 6	10 13 9	40 42 27	26 24 27	25 21 38	840 843 835
How often do you use laptops in mathematics class? A. almost every day B. two or three days a week C. two or three times each month D. never or almost never	14 37 23 26	0 1 12 21	0 1 28 44	14 35 17 20	54 51 40 42	6 19 7 1	23 28 16 2	6 13 7 6	23 19 16 13	840 840 849 857	14 37 23 26	0 1 28 44	54 51 40 42	23 28 16 2	23 19 16 13	840 840 849 857	9 16 28 48	6 8 12 13	38 38 41 40	27 27 27 23	29 27 21 24	837 839 843 842
How often do you use calculators in mathematics class? A. almost every day B. two or three times a week C. two or three times each month D. never or almost never	23 46 23 8	14 14 3 2	33 17 7 13	16 39 25 6	37 46 60 40	4 18 5 6	9 21 12 40	9 13 9 1	21 15 21 7	851 846 843 844	23 46 23 8	33 17 7 13	37 46 60 40	9 21 12 40	21 15 21 7	851 846 843 844	38 33 18 11	14 10 10 7	42 41 36 34	23 26 27 26	21 23 27 33	843 841 840 836
How do you feel about the following statement? “My knowledge of mathematics will be useful to me as an adult.” A. strongly agree B. agree C. disagree D. strongly disagree	55 39 6 0	18 14 2 0	18 19 18 0	55 28 3 0	54 38 27 0	13 18 2 0	13 25 18 0	15 13 4 0	15 18 36 0	848 846 842 0	55 39 6 0	18 19 18 0	54 38 27 0	13 25 18 0	15 18 36 0	848 846 842 0	54 38 6 2	14 8 6 3	44 36 31 23	23 27 28 25	18 28 36 49	844 838 835 831
Optional school/SAU question A. B. C. D.	30 40 20 10	0 0 0 0	0 0 0 0	0 0 1 1	0 0 50 100	0 1 0 0	0 25 0 0	3 3 1 0	100 75 50 0	818 826 828 848	30 40 20 10	0 0 0 0	0 0 50 100	0 25 0 0	100 75 50 0	818 826 828 848						

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 8
SAU: MSAD 35
School: Marshwood Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	36	17	36	17	1879	12
	2006-2007	51	27	51	27	2192	14
	2007-2008	53	28	53	28	2371	16
	Cum. Total*	140	24	140	24	6442	14
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	131	61	131	61	8604	53
	2006-2007	98	51	98	51	7916	52
	2007-2008	90	48	90	48	7630	51
	Cum. Total*	319	54	319	54	24150	52
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	30	14	30	14	3618	22
	2006-2007	27	14	27	14	3340	22
	2007-2008	33	18	33	18	3175	21
	Cum. Total*	90	15	90	15	10133	22
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	18	8	18	8	2174	13
	2006-2007	16	8	16	8	1865	12
	2007-2008	10	5	10	5	1731	12
	Cum. Total*	44	7	44	7	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	8.9	63.6	8.9	63.6	8.1	57.9
Cluster 2: Physical Sciences	14	25	9.0	64.3	9.0	64.3	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	8.4	60.0	8.4	60.0	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	9.2	65.7	9.2	65.7	8.5	60.7

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslt/gles.htm>.

SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
Grade: 8
SAU: MSAD 35
School: Marshwood Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	186	53	28	90	48	33	18	10	5	853	186	28	48	18	5	853	14907	16	51	21	12	847
Ethnicity																						
African American/Black	0										0						349	4	35	26	34	837
American Indian or Native Alaskan	0										0						117	8	40	28	24	840
Asian or Pacific Islander	1										1						181	20	50	15	15	849
Hispanic	1										1						131	5	50	22	23	842
Caucasian/White	184	53	29	88	48	33	18	10	5	853	184	29	48	18	5	853	14129	16	52	21	11	848
Not Reported	0										0						0					
Identified disability																						
Yes	25	2	8	3	12	10	40	10	40	835	25	8	12	40	40	835	2258	3	29	31	37	836
No	161	51	32	87	54	23	14	0	0	856	161	32	54	14	0	856	12649	18	55	20	7	850
Current LEP																						
Yes	0										0						315	4	29	25	42	834
No	186	53	28	90	48	33	18	10	5	853	186	28	48	18	5	853	14592	16	52	21	11	848
Economically disadvantaged																						
Yes	30	4	13	16	53	6	20	4	13	847	30	13	53	20	13	847	5206	8	45	28	20	842
No	156	49	31	74	47	27	17	6	4	854	156	31	47	17	4	854	9701	20	55	18	7	850
Migrant																						
Yes	0										0						7	29	57	14	0	852
No	186	53	28	90	48	33	18	10	5	853	186	28	48	18	5	853	14900	16	51	21	12	847
Gender																						
Female	91	20	22	47	52	19	21	5	5	852	91	22	52	21	5	852	7196	14	52	23	12	847
Male	95	33	35	43	45	14	15	5	5	855	95	35	45	15	5	855	7711	18	51	20	12	848
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						804	6	38	34	22	841
No	186	53	28	90	48	33	18	10	5	853	186	28	48	18	5	853	14103	16	52	21	11	848
Gifted/talented program																						
Yes	7	7	100	0	0	0	0	0	0	871	7	100	0	0	0	871	592	63	35	1	0	865
No	179	46	26	90	50	33	18	10	6	852	179	26	50	18	6	852	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 8
 SAU: MSAD 35
 School: Marshwood Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%		
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	5 33 59 3	1 9 42 1	11 15 39 17	3 31 52 4	33 50 48 67	5 15 12 1	56 24 11 17	0 7 3 0	0 11 3 0	848 847 857 855	5 33 59 3	11 15 39 17	33 50 48 67	56 24 11 17	0 0 3 0	848 847 857 855	9 46 41 5	10 14 19 19	40 52 53 47	26 22 19 21	23 12 9 14	842 847 849 848
How well do the questions that you have just been given on this MEA test match what you have learned in school about science? A. The questions on the test match what I have learned in science class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	30 54 13 3	14 35 3 0	25 36 13 0	27 45 15 1	49 46 63 17	13 14 2 4	24 14 8 67	1 4 4 1	2 4 17 17	853 855 848 836	30 54 13 3	25 36 13 0	49 46 63 17	24 14 8 67	2 4 17 17	853 855 848 836	29 49 18 5	19 16 13 9	54 51 51 39	19 22 23 29	9 11 13 23	849 848 846 842
Which of the following best describes how you rate yourself as a student in science? A. very good B. good C. fair D. poor	12 54 26 8	12 29 9 2	55 29 19 13	10 53 20 6	45 53 43 40	0 15 14 4	0 15 30 27	0 3 4 3	0 3 9 20	863 855 848 842	12 54 26 8	55 29 19 13	45 53 43 40	0 15 30 27	0 3 9 20	863 855 848 842	23 54 20 3	28 15 5 2	51 55 45 35	13 21 32 34	8 9 18 29	853 848 842 838
How difficult was the science part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	24 58 19	7 33 11	17 32 33	21 49 16	50 48 48	9 19 4	21 18 12	5 2 2	12 2 6	849 855 854	24 58 19	17 32 33	50 48 48	21 18 12	12 2 6	849 855 854	27 59 13	15 15 21	49 53 51	22 22 18	14 10 10	846 848 850
How hard did you try on the science part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	36 59 5	18 31 2	28 29 22	33 52 3	51 49 33	11 18 3	17 17 33	3 6 1	5 6 11	853 854 848	36 59 5	28 29 22	51 49 33	17 17 33	5 6 11	853 854 848	40 55 5	15 17 12	51 53 41	22 21 25	12 10 22	847 848 843
Which courses do you plan to take before you graduate from high school? A. earth and space science and/or biology B. the course(s) described in A, plus chemistry C. the course(s) described in B, plus physics D. a life science and physical science class	16 32 22 30	6 19 18 10	20 32 44 18	16 29 14 31	53 49 34 56	8 5 9 10	27 8 22 18	0 6 0 4	0 10 0 7	851 854 858 849	16 32 22 30	20 32 44 18	53 49 34 56	27 8 22 18	0 10 0 7	851 854 858 849	25 24 22 29	11 18 30 8	53 53 47 52	23 20 14 27	13 10 8 14	846 849 853 844
How do you feel about the following statement? <i>“My knowledge of science and technology will be useful to me as an adult.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	21 52 21 6	15 27 7 1	39 28 18 9	18 50 16 6	47 52 42 55	5 14 11 3	13 15 29 27	0 5 4 1	0 5 11 9	858 853 849 846	21 52 21 6	39 28 18 9	47 52 42 55	13 15 29 27	0 5 11 9	858 853 849 846	27 54 15 4	23 15 10 7	51 53 50 39	17 21 26 30	9 11 14 24	851 847 845 841
How well does the following statement reflect your future goals? <i>“I am interested in a career related to science, technology, engineering, or mathematics.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	22 38 23 16	20 19 9 4	49 27 21 13	12 39 22 17	29 55 51 57	8 9 8 8	20 13 19 27	1 4 4 1	2 6 9 3	858 854 850 850	22 38 23 16	49 27 21 13	29 55 51 57	20 13 19 27	2 6 9 3	858 854 850 850	25 37 26 12	24 15 12 8	52 50 53 48	15 22 23 28	8 12 12 15	851 847 846 844
Optional school/SAU question A. B. C. D.	30 40 20 10	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	2 1 1 1	67 25 50 100	1 3 1 0	33 75 50 0	830 821 834 840	30 40 20 10	0 0 0 0	0 0 0 100	67 25 50 0	33 75 50 0	830 821 834 840						

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards
 N = Number